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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------|----------------------------|--------------------------------------|
| Form PTO-1449<br>(Rev. 2-32)                                                                                                                                                                                               |                 | U.S. Department of Commerce<br>Patent & Trademark Office | Atty. Docket No.<br>Q57646 | Serial No.<br>09/487,239             |
| INFORMATION DISCLOSURE STATEMENT<br>(Use several sheets if necessary)                                                                                                                                                      |                 |                                                          |                            |                                      |
| APR 20 2000<br>U.S. PATENT DOCUMENTS                                                                                                                                                                                       |                 |                                                          |                            |                                      |
| Examiner Initial                                                                                                                                                                                                           | Document Number | Date                                                     | Name                       | Class                                |
|                                                                                                                                                                                                                            |                 |                                                          |                            | Sub-Class                            |
|                                                                                                                                                                                                                            |                 |                                                          |                            | Filing Date (if appropriate)         |
| FOREIGN PATENT DOCUMENTS                                                                                                                                                                                                   |                 |                                                          |                            |                                      |
|                                                                                                                                                                                                                            | Document        | Date                                                     | Country                    | Class                                |
| W                                                                                                                                                                                                                          | 9-276643        | 10/28/97                                                 | Japan                      | B01D 53/26                           |
| W                                                                                                                                                                                                                          | 4-501229        | 3/5/92                                                   | Japan                      | B01D 53/04                           |
| W                                                                                                                                                                                                                          | 90/00438        | 1/25/90                                                  | WO                         | B01D 53/26                           |
|                                                                                                                                                                                                                            |                 |                                                          |                            | RECEIVED<br>APR 21 2000<br>JAIL ROOM |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)                                                                                                                                                     |                 |                                                          |                            |                                      |
| EXAMINER: <i>Hai Vo</i>                                                                                                                                                                                                    |                 | DATE CONSIDERED: <i>10/28/01</i>                         |                            |                                      |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication. |                 |                                                          |                            |                                      |

